

Postgraduate Diploma

Comprehensive Dental Pathology
and Therapeutics in Pediatric Patients





Postgraduate Diploma Comprehensive Dental Pathology and Therapeutics in Pediatric Patients

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/dentistry/postgraduate-diploma/postgraduate-diploma-comprehensive-dental-pathology-therapeutics-pediatric-patients

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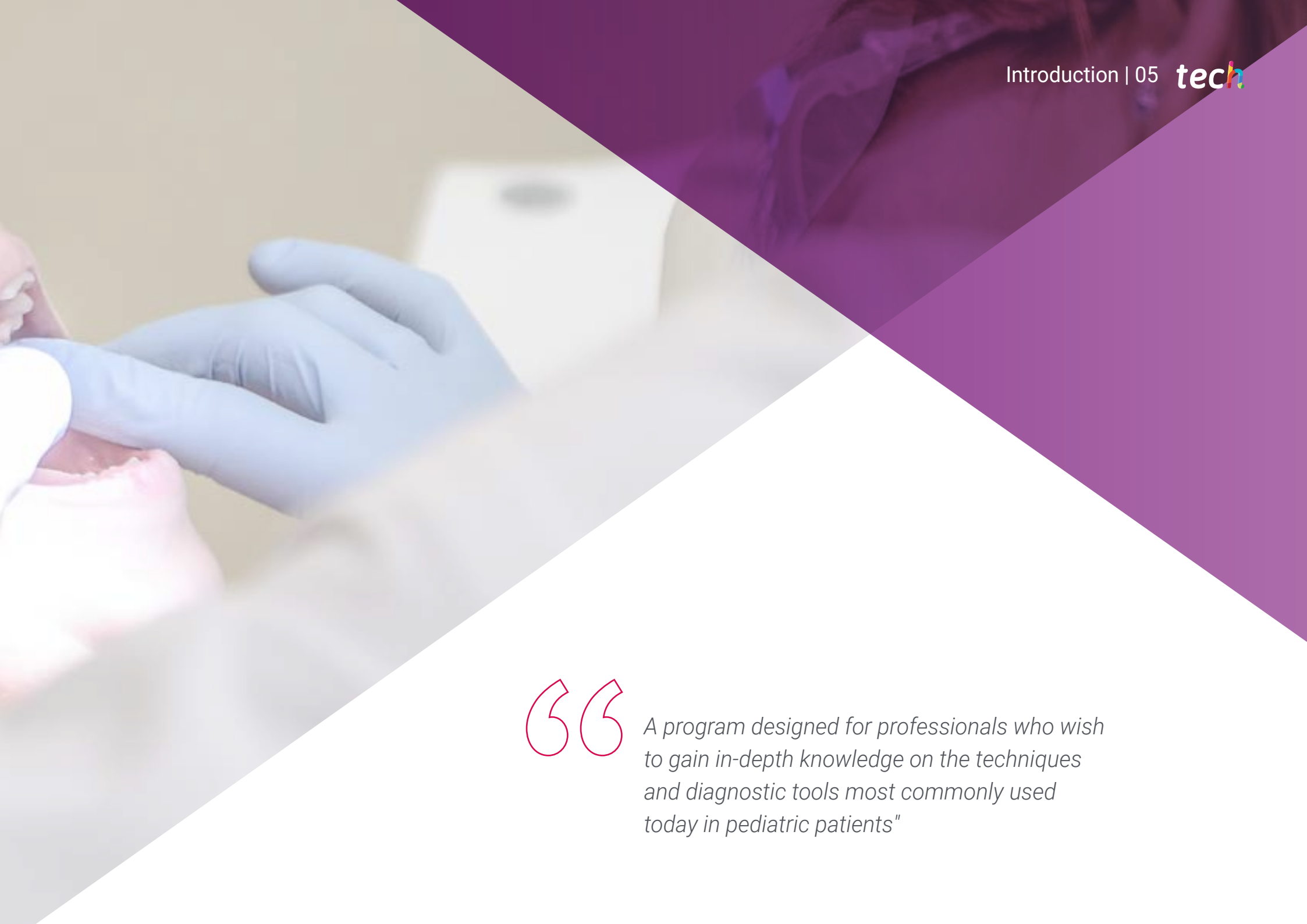
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01

Introduction

Dental caries, according to the World Health Organization (WHO) is the reason for attention among oral diseases. A problem to which the dental professional is no stranger. Likewise, in early ages there are other pathologies and traumas that the clinician must know in depth. This 100% online program offers students a proposal to update their knowledge in pediatric patient care through innovative teaching material and an expert teaching team with extensive professional experience in this field. All this, in a flexible, comfortable and compatible program with work responsibilities.





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A program designed for professionals who wish to gain in-depth knowledge on the techniques and diagnostic tools most commonly used today in pediatric patients"

The updating of knowledge is a key axis in the adequate performance of dental practice. At early ages, the appearance of caries and other dental trauma, typical of this stage of human development, is of great relevance for the professional due to its constant detection in the dental office. Despite the scientific debate about the appearance of this pathology at an early age, it is associated with social, cultural and economic characteristics of the population and even with the bottle habit, bacterial plaque or oral hygiene habits. This controversy, as well as the different pathologies that the professional must face, will be dealt with in depth in this Postgraduate Diploma.

For 6 months, students studying this program will be able to update their knowledge on the fundamentals of pediatric dentistry, as well as the pathology and therapeutics of dental caries, the diagnosis of dental trauma and the pathology and therapeutics of dental pulp. All this with multimedia content enriched by video summaries of each topic, videos in detail, interactive summaries and real clinical cases provided by specialized professionals who integrate this teaching.

A program in which, in addition, the professional will have essential readings on scientific studies, activities and assessment and self-assessment exercises, which will allow them to know the progress made during the program.

In this way, TECH offers the opportunity to all dental professionals to comfortably study a Postgraduate Diploma whenever and wherever they wish. All you need is a computer or tablet with an internet connection to connect to the virtual platform and access the entire syllabus from the beginning. In this way, without attendance or fixed schedules, students can distribute the course load according to their needs. This will allow you to combine high-level education with other areas of your life.

And to round off an academic experience of the highest level, the program includes, in addition to a broad and specialized teaching staff in the area, the participation of a figure of recognized prestige in the international field of Pediatric Dentistry. He has agreed to collaborate with TECH for the advancement of the profession, preparing 10 exclusive masterclasses in which he will share his strategies for success, as well as the techniques that have placed him at the top of the sector based on the continued harvest of successes in child and adolescent dental therapy.

This **Postgraduate Diploma in Comprehensive Dental Pathology and Therapeutics in Pediatric Patients** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- ♦ Practical cases presented by experts in Dentistry
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



A Postgraduate Diploma that will allow you to delve into the different techniques used in pulp therapy, as well as the possible obturation materials"

“*You will have the support of an unparalleled teaching team, as well as the guidance of a professional of international prestige in the field of Pediatric Dentistry through 10 exclusive Masterclasses*”

The program's teaching staff includes professionals from the sector who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive knowledge programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

A 100% online teaching where you can delve into dental caries and its approach in patients at an early age.

A Postgraduate Diploma aimed at professionals seeking quality education compatible with other areas of their lives.



02 Objectives

This Postgraduate Diploma gives dental professionals the opportunity to update their knowledge through an education that uses the Relearning system with which they will reduce the hours of study. Therefore, at the end of this program, students will be up to date with the latest diagnostic techniques and treatments used in pediatric patients with caries or trauma.



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An online program with a library of multimedia resources that will make it easy for you to update your knowledge in comprehensive dental care"



General Objectives

- Update the professional's knowledge in the different areas covered by comprehensive dental care in pediatric patients from birth to 14 years of age, with data-based scientific evidence
- Promote work strategies based on a comprehensive approach to the patient and individualized attention to each child according to their age and medical, dental and emotional needs
- Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development with online simulation workshops and/or specific difficulties
- Encourage professional stimulation through continuing education and research
- Promote understanding of the integral and multidisciplinary nature of pediatric dentistry, the importance of orderly, systematized and ethical teamwork and the role of the dentist working with the pediatric population as a health educator for children and their families



Refresh your knowledge on performing apicogenesis in permanent teeth in young people"





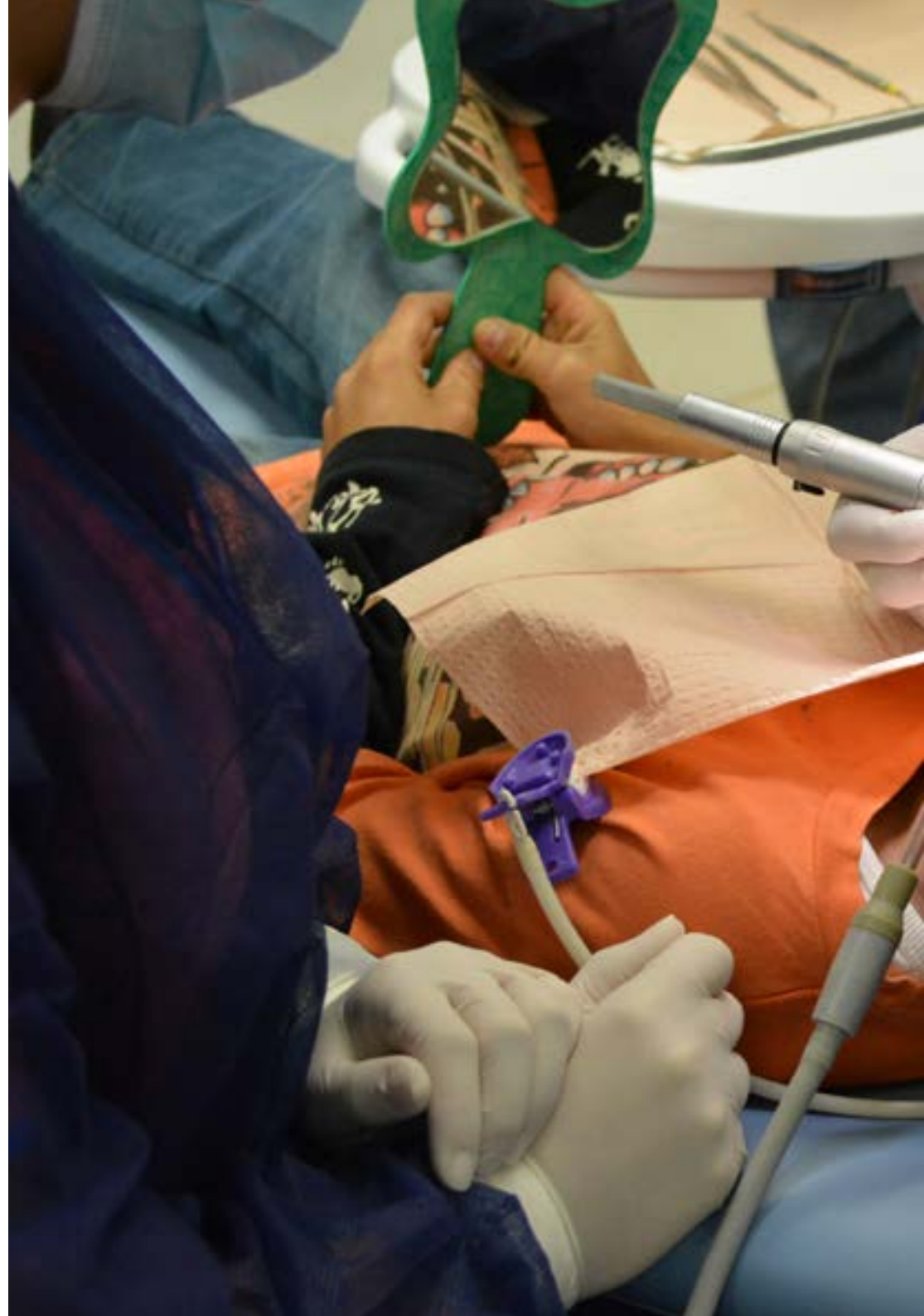
Specific Objectives

Module 1. Pediatric Dentistry: Basics

- ◆ Identify and describe the stages of cognitive, emotional and social development of children and adolescents
- ◆ Recognize the psychological profile of the child and adolescent
- ◆ Assess possible patient behavior in the dental clinic
- ◆ Analyze the factors that impact the child's behavior
- ◆ Establish the different classifications of patients according to their behavior
- ◆ Describe non-pharmacological behavior management techniques
- ◆ Explain pharmacological management alternatives for uncooperative children
- ◆ Distinguish the different levels of sedation from each other and from general anesthesia
- ◆ Explain the action protocols in each case
- ◆ List the most commonly used drugs for sedation and their antagonists
- ◆ Describe the inherent advantages and risks in the pharmacological sedation procedure
- ◆ Perform adequate basic behavioral guidance in patients according to their ages and cognitive and emotional capacities
- ◆ Explain the different stages of dental education and their chronology.
- ◆ Define the evolution of the different teeth during childhood and adolescence and their characteristics
- ◆ Identify and name temporary and permanent teeth
- ◆ List the differences between primary and permanent teeth and their clinical implications

Module 2. Dental Trauma. Diagnosis and Therapeutics

- ◆ Recognize the main causes of dental trauma in childhood
- ◆ Understand the critical importance of a correct diagnosis in determining the most appropriate treatment
- ◆ Identify the necessary modifications in the diagnostic procedures for trauma in temporary teeth
- ◆ Explain the diagnosis of the most frequent traumas in young permanent teeth
- ◆ Recognize the differences between trauma to primary teeth and young permanent teeth
- ◆ Acquire criteria to choose the treatment to be performed on a temporary tooth that has suffered dental trauma
- ◆ Reflect on the therapeutic objectives to be established in the different situations of dental trauma that can occur in primary teeth
- ◆ Apply the protocol of periodic controls established according to the type of trauma that the primary tooth has suffered
- ◆ Describe the different after-effects that dental trauma to a permanent tooth can have on the permanent tooth itself or on the permanent successor



Module 3. Dental Pulp Pathology and Treatment

- ◆ Learn the clinical and radiological characteristics of the different pulp conditions in primary teeth
- ◆ Apply the most appropriate protocol to determine the degree of damage to the temporal pulp
- ◆ Describe the different techniques used in pulp therapy, as well as the possible obturation materials
- ◆ Explain how and when pulp protection is performed on primary teeth
- ◆ Explain how and when indirect pulp treatment is performed on temporary teeth
- ◆ Explain how and when a pulpotomy is performed on primary teeth
- ◆ Explain how and when pulpectomy is performed on primary teeth
- ◆ Acquire criteria to choose which treatment will be performed in young permanent teeth with pulp alterations
- ◆ Define how and when to perform direct pulp capping and indirect pulp capping in young permanent teeth
- ◆ Describe how and when an apicogenesis is performed in young permanent teeth
- ◆ Explain how and when apicoforming is performed on young permanent teeth

Module 4. Dental Caries Pathology and Treatment

- ◆ Explain the criteria for selecting the appropriate therapeutic option in each case
- ◆ Describe dental erosion
- ◆ Understand the role of each etiological factor in the development of erosive lesions
- ◆ Reflect on the current epidemiology of dental erosion and its multifactorial nature
- ◆ Apply available tools to diagnose erosive lesions and establish their severity
- ◆ Understand the role of each etiological factor in the development of caries lesions
- ◆ Reflect on the current epidemiology of dental caries and its multifactorial nature
- ◆ Apply the available tools to diagnose caries lesions
- ◆ Differentiate the different evolutionary stages of caries lesions
- ◆ Describe the concept of early onset or early childhood caries and their characteristics
- ◆ Explain the procedure and the steps to be taken for the correct obturation of cavities prepared for composite
- ◆ Define some systemic diseases that impact the oral cavity
- ◆ Learn to decide when it is necessary to use a preformed steel crown for the restoration of primary molars
- ◆ Learn to determine when it would be possible to use a preformed posterior or anterior aesthetic crown for the restoration of temporary teeth
- ◆ Be able to determine when it would be necessary to restore an anterior tooth using composite and an acetate crown
- ◆ Describe the necessary steps (procedure, material and criteria) for the preparation of an anterior temporary tooth to be restored with composite and an acetate crown

03

Course Management

TECH, in its philosophy of offering all its students a high-quality education available to all, makes a careful selection of the management and teaching team that integrates each of its programs. In this case, we have taken into account the high preparation and extensive experience in the field of pediatric dentistry and high-level teaching. Therefore, the professional who studies this program will have at their disposal a specialized and experienced faculty, who will provide the most exhaustive and up-to-date knowledge in the field of pathology and comprehensive dental therapeutics in the syllabus.



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Specialists in Pediatric Dentistry with extensive experience will accompany you for 6 months, so that you can reach your goals"

International Guest Director

Professor Raman Bedi is the Chairman of the Global Child Dental Fund and was previously Chief Dental Officer in England, i.e. the most senior advisor on dentistry in each of the four UK governments and head of the dental profession.

Since 2012 Raman has been the founding chair of the oral health working group of the World Federation of Public Health Associations, which raises the importance of oral health issues affecting global public health. He is a practicing specialist, focusing exclusively on the comprehensive oral rehabilitation of young children. He was a consultant to the NHS in pediatric dentistry from 1991 to 2005 and is on the General Dental Council's list of specialists in pediatric dentistry and dental public health. He is a consultant to WHO on curriculum development in the field of patient safety and dentistry, and was co-chair of the World Expert Committee on the management and prevention of dental caries. Recently, he was asked by WHO to review dental services in Oman.

Raman served as head of dental public health at the Eastman Dental Institute at University College London and director of the National Centre for Transcultural Oral Health. He was also co-director of the World Health Organization Collaborating Centre at the Eastman Dental Institute. He is currently professor emeritus at King's College London. He is one of the few researchers to have been awarded a Doctor of Science degree by the University of Bristol (2003) for his contribution to dental research and a Doctor of Humane Letters degree (2010) by AT Still University (Arizona) for his scholarly contribution to the social sciences.



Dr. Bedi, Raman

- ♦ Professor Emeritus of King's College London.
- ♦ Formerly Director of Dentistry England.
- ♦ Extraordinary Professor of Pediatric Dentistry at the University of the Western Cape, South Africa
- ♦ Adjunct Professor at the University of Pennsylvania
- ♦ Doctor of Dental Surgery, University of Bristol
- ♦ Doctor of Humane Letters from AT Still, U.S.A.
- ♦ Doctor of Science, University of Bristol
- ♦ Honorary Fellow of Dental Surgery of the Royal College of Physicians and Surgeons of Glasgow
- ♦ Honorary Fellow of the Faculty of Public Health, UK.

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Thanks to TECH, you will be able to learn with the best professionals in the world”

Professors

Dr. Del Campo Rodríguez, Angel

- ◆ Specialist in Pediatric Dentistry and Preventive and Interceptive Orthodontics
- ◆ Ad Honorem collaborating professor in the Master of Aesthetic, Adhesive and Minimally Invasive Dentistry at the Lluís Alcanyis Foundation Dental Clinic, University of Valencia
- ◆ Member of the American Academy of Pediatric Dentistry
- ◆ Member of the Spanish Society of Pediatric Dentistry
- ◆ PhD in Dentistry from the University of Valencia
- ◆ Degree in Dentistry from the Intercontinental University of Mexico City
- ◆ Postgraduate degree in Pediatric Dentistry from New York University College of Dentistry
- ◆ Master's Degree in Gestalt Therapy and Diploma in Child and Adolescent Gestalt Therapy from the Gestalt Therapy Institute of Valencia

Dr. Cruz Pamplona, Marta

- ◆ Degree in Dentistry. Faculty of Experimental and Health Sciences, Cardenal - Herrera CEU, Moncada, Valencia, Spain
- ◆ Master's Degree in Medicine and Oral Surgery Faculty of Medicine and Dentistry, University of Valencia. Spain
- ◆ Diploma in Oral Medicine, General University Hospital Consortium in Valencia. Spain
- ◆ Associate Professor of Oral Medicine (international degree) (CEU-Cardenal Herrera University), Moncada, Valencia. Spain
- ◆ Professor of the degree in Dentistry (regular degree and international degree) at the European University of Valencia, Valencia, Spain
- ◆ Professor of Adult and Child Clinical Practice" at the European University of Valencia, Valencia, Spain
- ◆ Author of several research papers, publications and oral communications
- ◆ Private clinical practice of general dentistry

Dr. González Aranda, Cristina

- ◆ Degree in Dentistry. Complutense University of Madrid
- ◆ PhD in Dentistry Complutense University of Madrid
- ◆ Master's Degree in Pediatric Dentistry. Complutense University of Madrid
- ◆ Master's Degree in Dental Sciences. Complutense University of Madrid
- ◆ Collaborating Professor of the Master's Degree in Pediatric Dentistry. Faculty of Dentistry, Complutense University of Madrid
- ◆ Associate Professor in Pediatric Dentistry. Faculty of Dentistry at the Complutense University of Madrid
- ◆ Exclusive private practice in pediatric dentistry in Madrid (Spain)

Dr. Figueroa García, Angela

- ◆ Degree in Dentistry, Los Andes University, Merida, Venezuela
- ◆ Master's Degree in Periodontics, Faculty of Medicine and Dentistry, University of Valencia, Spain
- ◆ Doctor in Dentistry, Faculty of Medicine and Dentistry, University of Valencia, Spain
- ◆ Undergraduate and postgraduate collaborating professor at the Department of Periodontology, Faculty of Medicine and Dentistry, Universities of Valencia, Spain
- ◆ Associate Professor of Advanced Periodontics, European University of Valencia, Spain

Dr. García Márquez, Juan Eliseo

- ◆ Degree in Dentistry Faculty of Medicine and Dentistry, University of Valencia. Valencia, Spain
- ◆ Master's Degree in Dentistry in special patients. University of Valencia. Dr. Peset Aleixandre hospital. Valencia, Spain
- ◆ Master's Degree in Hospital Surgery. University of Valencia. General University Hospital, Valencia, Spain
- ◆ Diploma in Periodontics. Faculty of Medicine and Dentistry, University of Valencia, Spain
- ◆ Former Associate Professor Mas'er's Degree in Dentistry in Special Patients. University of Valencia. Valencia, Spain
- ◆ Full professor of Special Patients. Faculty of Experimental and Health Sciences, Carden-I - Herrera CEU University, Moncada, Valencia, Spain
- ◆ Associate Professor of Periodontics. Faculty of Experimental and Health Sciences, Carden-I - Herrera CEU University, Moncada, Valencia, Spain
- ◆ Collaborating professor in Master's Degree in Oral Surgery and Implantology Faculty of Experimental and Health Sciences, Carden-I - Herrera CEU, Moncada, Valencia, Spain
- ◆ Member of the Spanish Society of Odontostomatology for patients with special needs (SEOENE)
- ◆ Member of the Spanish Society of Periodontology and Osseointegration (SEPA).
- ◆ Private practice with exclusive dedication in Oral Surgery, Periodontics, Implants and Special Patients

Dr. Enciso Ripoll, Manuel Jesús

- ◆ Assistant dentist at the Hospital de Manises, in Valencia, Spain
- ◆ Degree in Dentistry from the University of Valencia
- ◆ Degree in Veterinary Medicine at the Cardenal-Herrera CEU University
- ◆ Diploma of Advanced Studies in the Program in Human Tumor Pathology at the University of Valencia
- ◆ Master's Degree in Molecular Oncology by the National Cancer Research Center and the European School of Oncology
- ◆ Official Master's Degree in Health Management from the Catholic University of Valencia
- ◆ Master's Degree in Individual and Community Clinical Dentistry at the University of Valencia
- ◆ Associate Professor of Oral Medicine. Prosthesis III Minimally Invasive Dentistry, Legal and Forensic Dentistry Faculty of Experimental and Health Sciences, CEU Cardenal-Herrera University, Moncada, Valencia, Spain
- ◆ Member of SEOP, SESPO, SEPA and SECIB

Dr. Barreda Ramos, Isai

- ◆ Dental Surgeon, Popular Autonomous University of the State of Puebla (UAEP)
- ◆ Specialty in Orthodontics, UNITEC
- ◆ Research Award 2003 by the Mexican Association of Orthodontics (AMO)

Dr. Lozano Pajares, Melanie

- ◆ Degree in Dentistry. Central University of Venezuela. Caracas, Venezuela
- ◆ Degree in Dentistry. Degree from the European University of Valencia
- ◆ Degree in Dentistry. European University of Valencia. Valencia, Spain
- ◆ Diploma in Pediatric Dentistry. Advanced training in Minimally Interventionist Multidisciplinary Dentistry. Barcelona, Spain
- ◆ Course on Conscious sedation in Dentistry. YaCare institute. Valencia, Spain
- ◆ Certification from Invisalign, Invisalign Essentials course in Madrid, Spain
- ◆ Member of the Spanish Society of Pediatric Dentistry
- ◆ Communications and presentations in different courses and congresses at national level
- ◆ Exclusive private practice in Pediatric Dentistry with specialized attention in special patients with the use of Nitrous Oxide Sedation or anxiolysis

Dr. Gatón Hernández, Patricia

- ◆ PhD in Dentistry, International University of Catalonia, Spain
- ◆ Postgraduate Course in Pediatric Dentistry, Pediatric Hospital of Barcelona
- ◆ Postgraduate in Aesthetic Dentistry University of Barcelona
- ◆ Director of Academic Course by modules in Pediatric Dentistry
- ◆ Associate Professor at Barcelona University
- ◆ Guest Professor University of Sao Paulo, Brazil
- ◆ Member of the European Board of Intervention Dentistry
- ◆ Frequent lecturer of courses on Restorative and Aesthetic Dentistry, Pediatric Dentistry and Dental Materials at national and international level
- ◆ Director of Advanced Training in Multidisciplinary Minor Interventional Dentistry. Barcelona, Spain





Dr. Serrano Martínez, Concepción

- ◆ Degree in Medicine and General Surgery. Murcia University. Spain
- ◆ Specialist in Stomatology. Murcia University. Spain
- ◆ Postgraduate Course in Dentistry for the special and medically compromised patient. Faculty of Medicine and Dentistry, University of Valencia. Spain
- ◆ PhD in Medicine and General Surgery. Faculty of Medicine and Dentistry, University of Valencia. Spain
- ◆ National reference specialist. DEBRA Spain Association, for dental care in patients with epidermolysis bullosa
- ◆ Private practice in general dentistry

Dr. Gianni, Manfredi

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- ◆ Certificate of conscious sedation and basic instrumental cardiopulmonary resuscitation San Vicente Mártir Catholic University Spain
- ◆ Refresher course on dental care guidelines for patients with special needs Sant Joan de Déu hospital. Barcelona: Spain
- ◆ Associate Professor of Orthodontics at undergraduate and postgraduate levels European University of Valencia
- ◆ Professor of Pediatric Dentistry at Postgraduate level San Vicente Mártir Catholic University Spain
- ◆ Oral communication at the 36th, 38th, 39th Annual Meeting of the Spanish Society of Pediatric Dentistry (SEOP)
- ◆ Exclusive private practice in Pediatric Dentistry and Orthodontics

Dr. Palma Carrió, Cristina

- ♦ Doctor at the University of Valladolid
- ♦ Diploma in Diagnosis and SEPA Foundation (Madrid)
- ♦ Periodontal treatment
- ♦ Diploma in Rotational and Microscopic Endodontics University of Valencia
- ♦ Master's Degree in Oral Surgery and Implantology University of Valencia
- ♦ Degree in Dentistry University of Valencia
- ♦ Intern in the Department of Oral Surgery during the 5th year

Dr. Haya Fernández, Maria Celia

- ♦ Private practice in general dentistry
- ♦ Degree in Dentistry. Faculty of Medicine and Dentistry, University of Valencia. Spain
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- ♦ Mas'er's Degree in Oral Medicine. General University Hospital University of Valencia. Spain
- ♦ Mas'er's Degree in Health Education for Patients and Dependent People. Faculty of Medicine and Dentistry, University of Valencia. Spain
- ♦ Course on Pedagogical Adaptation. University of Valencia. Spain
- ♦ Professor of Gerodontology and Oral Medicine. Faculty of Experimental and Health Sciences, Carden-I - Herrera CEU, Moncada, Valencia, Spain
- ♦ Member of the Spanish Society of Oral Medicine, the Spanish Society of Gerodontology and the Center for Dental Studies of Valencia

Dr. Pérez Chicote, Víctor

- ♦ Degree in Dentistry 95 -00 at the University of Valencia
- ♦ Cum Laude Doctor in Dentistry from the University of Valencia
- ♦ Mas'er's Degree in Dentistry in Special Patients. University of Valencia
- ♦ Master's Degree in Oral Implantology and Rehabilitation E.S.O.R.I.B
- ♦ University Diploma in Implantology and Maxillofacial Surgery. Fac. de Créteil, París
- ♦ Master's Degree in Dental Sciences University of Valencia
- ♦ Postgraduate course in Oral Surgery and Implantology at Univ. of Santa Clara, Cuba
- ♦ Postgraduate course in Advanced Surgery and Zygomatic Implants in Maringá -Brazil
- ♦ Member of SEI
- ♦ Experience: private practice in Valencia since 2000 and teaching training courses in oral surgery and Implantology in a private clinic

Dr. López Zamora, Maria Isabel

- ♦ Exclusive private practice of Pediatric Dentistry
- ♦ Degree in Dentistry. Faculty of Experimental and Health Sciences, Cardenal - Herrera CEU, Moncada, Valencia, Spain
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- ♦ Course on Conscious sedation and Advanced life support for dentistry. InsvaCare training center. Paterna, Valencia
- ♦ Course on aesthetic pediatric crowns taught by NuSmile
- ♦ Oral communications at congresses of the Spanish Society of Pediatric Dentistry (SEOP)

Dr. Manzano, Alberto

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- ◆ Master's Degree in Dental Pathology and Therapeutics. Faculty of Medicine and Dentistry, University of Valencia. Spain
- ◆ University Diploma in Implantology and Oral Rehabilitation. Paris XII University. Faculty of Medicine. Paris France
- ◆ Doctor in Dentistry. Faculty of Medicine and Dentistry, University of Valencia. Spain
- ◆ Executive Program in Management and Marketing for Dental Clinics. E-Universitas
- ◆ Professor in charge of the Endodontics course for the international group at the European University of Valencia
- ◆ Director of the postgraduate course in Management and Direction of Dental Clinics of Plan Synergia
- ◆ Lecturer of courses on Management and Marketing for dental clinics nationwide

Dr. Mut Ronda, Salvador

- ◆ Active pharmacist in a Pharmacy
- ◆ Degree in Pharmacy from the University of Valencia
- ◆ PhD in Pharmacy from the University of Valencia
- ◆ Expert course in Biomedical English at the European University of Valencia
- ◆ Associate Professor of General Pharmacology, Anesthesia, Resuscitation; Human Nutrition and General Pathology I and II (Spanish and English degree) at the Faculty of Health Sciences, Department of Dentistry of the European University of Valencia
- ◆ Author of several publications
- ◆ Director of Undergraduate Final Projects
- ◆ Participation in various specialized training programs in pharmacology

Dr. Leyda Menéndez, Ana

- ◆ Degree in Dentistry. Faculty of Medicine and Dentistry, University of Valencia. Spain
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- ◆ Postgraduate Course in Pediatric Dentistry. Faculty of Health Sciences. Scientific University of the South. Lima Peru
- ◆ Postgraduate Course in Pediatric Dentistry. Cayetano Heredia Peruvian University Lima Peru
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- ◆ Contract pediatric dentist, Clinic of Dentistry, Faculty of Dentistry of the CEU - Cardenal Herrera University. Alfara del Patriarca. Valencia Spain
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- ◆ Participation in various specialized training programs in pharmacology

Dr. Ureña Cirret, Jose Luis

- ♦ Master of Science. (M.S.) Pediatric Dentistry. University of Michigan, Ann Harbor, Mi. USA
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- ♦ Mini-residency in adhesive materials. University of Minnesota. Minneapolis, MN. USA
- ♦ Postgraduate Professor of Pediatric Dentistry, Technological University of México (UNITEC), Mexico City, Mexico
- ♦ Professor of the Degree in Pediatric Dentistry. Faculty of Dentistry, Intercontinental University (UIC), Mexico City, Mexico
- ♦ Visiting Professor at the Faculty of Dentistry Autonomous University of Tamaulipas, Tampico, Tamps. Mexico
- ♦ Former Director of the Faculty of Dentistry. Faculty of Dentistry, Intercontinental University (UIC), Mexico City, Mexico
- ♦ Representative of the Mexican Dental Association (ADM) in the program for the accreditation of dental degree programs

Dr. Segarra Ortells, Cristina

- ♦ Specialist in Dentistry

Ms. Cargill Foster, Nelly Ruth

- ♦ Specialist in Dentistry

Ms. Limonchi Palacio, Landy Vianey

- ♦ Specialist in Dentistry





Dr. Negre Barber, Adela

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- ◆ PhD in Dentistry Outstanding Cum Laude. Faculty of Medicine and Dentistry, University of Valencia. Spain
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- ◆ Master's Degree in Individual and Community Clinical Dentistry. Faculty of Medicine and Dentistry, University of Valencia. University-Company foundation (ADEIT). Valencia, Spain
- ◆ Author of several scientific articles in impact journals
- ◆ Communications in several Conferences (SESPO, SEOP)
- ◆ Best Novel Communication Award SEOP 2015

Dr. Melo Almiñana, Maria Pilar

- ◆ Private practice in Comprehensive dentistry
- ◆ Degree in Dentistry. Faculty of Medicine and Dentistry, University of Valencia. Spain
- ◆ PhD in Dentistry Outstanding Cum Laude. Faculty of Medicine and Dentistry, University of Valencia. Spain
- ◆ Mas'er's Degree in Aesthetic Dentistry Faculty of Medicine and Dentistry, University of Valencia. University-Company foundation (ADEIT). Valencia, Spain
- ◆ Master's Degree in Forensic sciences. Faculty of Medicine and Dentistry, University of Valencia. University-Company foundation (ADEIT). Valencia, Spain
- ◆ Biomaterials teacher, Spanish and English degree. European University of Valencia. Valencia, Spain
- ◆ Associate Professor of Dental Pathology and Therapeutics. Faculty of Medicine and Dentistry, University of Valencia. Valencia, Spain
- ◆ Publication of several scientific articles in JCR journals

Dr. Savall Orts, Maria

- ◆ Degree in Dentistry, Faculty of Medicine and Dentistry, University of Valencia, Spain.
- ◆ Master's Degree in Oral Medicine and Surgery, Faculty of Medicine and Dentistry, University of Valencia, Spain
- ◆ Master's Degree in Aesthetic, Adhesive and Minimally Invasive Dentistry, University of Valencia, Faculty of Medicine and Dentistry, University of Valencia, Spain
- ◆ Postgraduate course in Occlusion, Temporomandibular Dysfunction and Orofacial Pain by the Catalan Society of Odontology and Stomatology (SCOE)
- ◆ Ad Honorem Adhesive and Minimally Invasive Aesthetic Dentistry Master, Dental Clinic Lluís Alcanyis Foundation, University of Valencia, Valencia, Spain
- ◆ Private practice in General Dentistry specializing in Oral Medicine and Aesthetic Dentistry

Dr. Muwaquet Rodríguez, Susana

- ◆ Degree in Dentistry. University of Granada
- ◆ Master's Degree in Clinical and Microscopic Endodontics. Murcia Catholic University
- ◆ Master's Degree in Forensic Medicine. Faculty of Medicine and Dentistry, University of Valencia. Spain
- ◆ Expert degree in surgery and prosthesis on implants at the European Center of Orthodontics (CEOSA)
- ◆ PhD in Dentistry University of Granada. Granada, Spain
- ◆ Associate Professor at the European University of Valencia. International Line. Valencia, Spain
- ◆ Member of the Spanish Association of Endodontics (AEDE)
- ◆ Member of the Spanish Society of Conservative and Esthetic Dentistry (SEOC)
- ◆ Spanish Society of Periodontics and Osseointegration (SEPA)
- ◆ Speaker and lecturer of courses at national and international level
- ◆ Author of several article papers, posters and communications
- ◆ Private Clinical Practice



Dr. Saavedra Marbán, Gloria

- ◆ Degree in Dentistry. Complutense University of Madrid, Spain
- ◆ Master's Degree in Pediatric Dentistry. Complutense University of Madrid, Spain
- ◆ Specialist in Dental Care for children at high biological risk. Complutense University of Madrid. Spain
- ◆ PhD in Dentistry Complutense University of Madrid, Spain
- ◆ Professor at the Master's Degree in Pediatric Dentistry. Complutense University of Madrid, Spain
- ◆ Associate Professor of the Department of Stomatology IV of the Faculty of Dentistry, Complutense University of Madrid, Spain
- ◆ Member of the Pediatric Dentistry Scientific Commission of the Illustrious College of Dentists and Stomatologists of the I Region
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- ◆ Dentist surgeon. Juárez Autonomous University of Tabasco, Villahermosa, Tabasco, Mexico
- ◆ Specialist in Pediatric Dentistry. Juárez Autonomous University of Tabasco. Villahermosa, Tabasco, México
- ◆ Specialist in Dentistry. Mexican Dentistry Association for Teaching and Research
- ◆ Diploma in Dentofacial Orthopedics, AOMEI. Mexico City, Mexico
- ◆ Master's Degree in Medical Education. Higher Institute in Medical Sciences of La Habana, Habana, Cuba
- ◆ Doctor in Education. Iberoamericana University Foundation

- ◆ Diploma in Emotional Intelligence. Center for Human Development- Juárez Autonomous University of Tabasco (CSUM-UJAT), Villahermosa, Tabasco, Mexico
- ◆ Research Professor of the Postgraduate Course in Orthodontics and Pediatric Dentistry. Juárez Autonomous University of Tabasco. Villahermosa, Tabasco, México
- ◆ Certification and Recertification. National Council of Children's Dentistry and National Council of Orthodontics of Mexico
- ◆ Exclusive consultation for Babies, Children and Adolescents

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- ◆ Degree in Dentistry. Faculty of Medicine and Dentistry, University of Valencia. Spain
- ◆ Master's Degree in Endodontics Faculty of Experimental and Health Sciences, Cardenal - Herrera CEU, Moncada, Valencia, Spain
- ◆ Postgraduate course in Implantology and Basic Oral Surgery, Coppel Doctors. Rubber Clinic. Madrid, Spain
- ◆ Expert Degree in Endodontics and Restorative Dentistry. Dr. Hipólito Fabra Clinic Valencia, Spain
- ◆ Conscious Sedation Course. Dentist Council of Barcelona Spain
- ◆ Professor of Pediatric Dentistry. European University of Valencia
- ◆ Member of the Spanish Association of Endodontics (AEDE)
- ◆ Author of Communications and Posters in several Conferences
- ◆ Private Practice in Endodontics and Pediatric Dentistry



Take the step to get up to date on the latest developments in Comprehensive Dental Pathology and Therapeutics in Pediatric Patients"

04

Structure and Content

The syllabus of this Postgraduate Diploma has been developed by a specialized teaching team, in which throughout the 500 teaching hours that make up this program, the key concepts of the fundamentals of pediatric dentistry will be developed. Likewise, throughout the 4 modules that make up this syllabus, students will be able to renew their knowledge on the pathology of dental caries, trauma and the pathology and therapy of the dental pulp. All this with the most innovative teaching material in the academic field and with a teaching system, based on the reiteration of content, which allows students to advance in a more natural way.



“

A comprehensive syllabus that will allow you to delve into the most recent studies on caries and dental trauma in children”

Module 1. Pediatric Dentistry: Basics

- 1.1. Introduction to Pediatric Dentistry
 - 1.1.1. What is Pediatric Dentistry and What is the Role of the Pediatric Dentist in Today's Dentistry?
 - 1.1.2. Vision and Objectives of the Pediatric Dentist
 - 1.1.3. Historic Evolution of Pediatric Dentistry
 - 1.1.4. Comprehensive Care of the Pediatric Patient
 - 1.1.5. Differences Between Pediatric Dentistry and Other Dental Specialities. Differences between Pediatric and Adult Patients
 - 1.1.6. Characteristics of an "Ideal" Pediatric Dentist and the Future Challenges of Pediatric Dental Care
- 1.2. Clinical Examination in Pediatric Dentistry
 - 1.2.1. First Visit in Pediatric Dentistry: Objectives, Requirements and Tools
 - 1.2.2. Medical History: Objective, Fundamentals and Structure
 - 1.2.3. Clinical Examination: Objective, Characteristics and Structure
 - 1.2.4. Extraoral Clinical Examination
 - 1.2.5. Intraoral Clinical Examination
 - 1.2.6. Oral Hygiene Evaluation
 - 1.2.7. Diet Evaluation
- 1.3. Radiological Examination and Complementary Tests
 - 1.3.1. Radiological Tests
 - 1.3.1.1. Advantages Types
 - 1.3.1.2. Extraoral X-Rays: Lateral Skull Orthopantomography, Wrist X-ray: Objectives
 - 1.3.1.3. Advantages Indicated Time of Execution and Disadvantages
 - 1.3.1.4. Intraoral X-Rays. Bitewing, Periapical and Occlusal X-Rays: Objectives, Indications, Advantages, Disadvantages and Materials Criteria: Age and Risk of Caries
 - 1.3.2. Complementary Tests
 - 1.3.2.1. Laboratory Tests: Usefulness
 - 1.3.2.2. Study Models: Indications
 - 1.3.2.3. Clinical Images: Advantages
- 1.4. Diagnosis and Treatment Plan
 - 1.4.1. The Diagnostic Process. Concept
 - 1.4.2. Information: Need and Requirement
 - 1.4.3. Provisional Diagnosis, Differential Diagnosis and Definitive Diagnosis
 - 1.4.4. Therapeutic Process: Objectives
 - 1.4.5. Adequate Treatment: Rationale, Requirements, Objectives and Phases
 - 1.4.5.1. Immediate Phase (Urgent Measures)
 - 1.4.5.2. Systemic Phase (Medical Alerts)
 - 1.4.5.3. Preparatory Phase (Preventive Measures)
 - 1.4.5.4. Corrective Phase (Operative Dentistry)
 - 1.4.5.5. Maintenance Phase
 - 1.4.5.6. Schedule or Appointment-Based Planning: Importance
- 1.5. Chronology and Morphology of Primary and Permanent Dentition, Eruption and Dental Occlusion
 - 1.5.1. Chronology of Human Dentition. Importance
 - 1.5.2. Nolla's Phases of Dental Development
 - 1.5.3. Morphology of Temporary Dentition. Importance Features
 - 1.5.4. Differences Between Temporary (TT) and Permanent Teeth (PT)
 - 1.5.5. General Characteristics of the Temporal Incisor Group
 - 1.5.6. Clinical Repercussions of the Differences Between TT and PT
 - 1.5.7. General Characteristics of the Temporal Canine Group
 - 1.5.8. General Characteristics of the Temporal Molar Group
- 1.6. Nomenclature and Dental Identification Systems
 - 1.6.1. Introduction
 - 1.6.2. Guide for the Identification of Teeth. Shape and Color, Presence of Mamelons, Eruption Status, Chronological Age and History of Premature Extractions
 - 1.6.3. Primary and Permanent Dentition Nomenclature
 - 1.6.4. Dental Identification Systems
 - 1.6.4.1. International System or FDI
 - 1.6.4.2. Universal or American System
 - 1.6.4.3. Zsigmondy or Palmer System
 - 1.6.4.4. Haderup or German System

Module 2. Dental Trauma. Diagnosis and Therapeutics

- 2.1. Diagnosis, Classification and Examination of the Traumatized Patient
- 2.2. Fracture Management in Young Teeth
- 2.3. Luxation Management in Young Teeth
- 2.4. Avulsion Management in Young Teeth
- 2.5. Trauma Management in Temporary Teeth

Module 3. Dental Pulp Pathology and Treatment

- 3.1. Pulp Pathology in Temporary Dentition (TD)
 - 3.1.1. Peculiarities of Temporary Teeth in Relation to Pulp Involvement
 - 3.1.2. Post-Eruptive Evolution of Primary Teeth Pulp
 - 3.1.3. Characteristics of the Dentin-Pulp Organ in TT
 - 3.1.4. Diagnosis
 - 3.1.4.1. General Factors: Pathologies That Contraindicate Pulp Capillary Treatment
 - 3.1.4.2. Regional Factors
 - 3.1.4.3. Local Factors
 - 3.1.5. History of Pain
 - 3.1.5.1. Stimulated, Thermal/Chemical, Intermittent Pain
 - 3.1.5.2. Spontaneous, Nocturnal, Prolonged Pain
 - 3.1.5.3. Clinical Examination: of Mucosa, Teeth. Reliability of Pulp Vitality Tests
 - 3.1.5.4. Radiological Examination: Information it Provides
 - 3.1.5.5. Classification
 - 3.1.5.5.1. Conditioning Factors in Children
 - 3.1.5.5.2. Healthy Pulp: Characteristics and Radiology
 - 3.1.5.5.3. Reversible Pulpitis: Characteristics and Radiology
 - 3.1.5.5.4. Irreversible Pulpitis: Characteristics and Radiology
 - 3.1.5.5.5. Pulp Necrosis: Characteristics and Radiology
- 3.2. Pulp Therapeutics in Temporary Teeth
 - 3.2.1. Pulp Protection
 - 3.2.1.1. Indications. Objectives
 - 3.2.2. Indirect Pulp Treatment
 - 3.2.2.1. Indications
 - 3.2.2.2. Objectives
 - 3.2.2.3. Keys
 - 3.2.2.4. Procedure
 - 3.2.3. Pulpotomy
 - 3.2.3.1. Concept
 - 3.2.3.2. Objective
 - 3.2.3.3. Indications and Contraindications
 - 3.2.3.4. Drugs That Act on the Pulp: Types and Mode of Action
 - 3.2.3.5. Procedure
 - 3.2.3.6. Remnant Crown Reconstruction
 - 3.2.4. Pulpectomy
 - 3.2.4.1. Concept
 - 3.2.4.2. Objective
 - 3.2.4.3. Indications and Contraindications
 - 3.2.4.4. Canal Sealing Materials Requirements, Types and Mode of Action
 - 3.2.5. Procedure
 - 3.2.6. Remnant Crown Reconstruction
- 3.3. Pulp Pathology in Young Permanent Teeth (YPT)
 - 3.3.1. Assessment of Pulp Status
 - 3.3.1.1. Background
 - 3.3.1.2. Clinical Examination
 - 3.3.1.3. Radiographical Examination
 - 3.3.1.4. Vitality Tests
 - 3.3.1.5. Direct Pulp Evaluation
 - 3.3.2. Establishing the Prognosis of the Affected Tooth

- 3.4. Pulp Therapeutics in Young Permanent Teeth
 - 3.4.1. Indirect Pulp Coating
 - 3.4.1.1. Objectives
 - 3.4.1.2. Contraindications
 - 3.4.1.3. Procedure
 - 3.4.1.4. Criteria for Success or Failure of the Treatment in Its Evolution
 - 3.4.2. Direct Pulp Coating
 - 3.4.2.1. Objectives
 - 3.4.2.2. Contraindications
 - 3.4.2.3. Procedure
 - 3.4.2.4. Criteria for Success or Failure of the Treatment in Its Evolution
 - 3.4.3. Apex Formation
 - 3.4.3.1. Objectives
 - 3.4.3.2. Contraindications
 - 3.4.3.3. Procedure
 - 3.4.3.4. Periodic Controls
 - 3.4.3.5. Criteria for Success or Failure of the Treatment in Its Evolution
 - 3.4.4. Apexogenesis
 - 3.4.4.1. Objectives
 - 3.4.4.2. Contraindications
 - 3.4.4.3. Procedure
 - 3.4.4.4. Periodic Controls
 - 3.4.4.5. Criteria for Success or Failure of the Treatment in Its Evolution

Module 4. Dental Caries Pathology and Treatment

- 4.1. Dental Caries. Etiology, Pathogenesis and Clinical Manifestations
 - 4.1.1. Concept of Caries Disease
 - 4.1.2. Host-Related Factors: Teeth and Saliva
 - 4.1.3. Etiological Factors of Caries Disease
 - 4.1.3.1. Host-Related Factors: Teeth and Saliva
 - 4.1.3.2. Factors Related to Plaque Microbiology
 - 4.1.3.3. Diet-Related Factors: Factors Dependent on the Food Ingested. Dietary Factors Dependent on the Individual
 - 4.1.3.4. Factors Dependent on the Individual's Cultural and Socioeconomic Context
 - 4.1.4. Pathogenesis of the Caries Lesion
 - 4.1.4.1. Demineralization/Remineralization Process. Critical pH
 - 4.1.4.2. Oral Regulation of pH Fluctuations and Remineralization
 - 4.1.5. Clinical Manifestations of Caries Lesions
 - 4.1.5.1. Incipient Caries Lesions
 - 4.1.5.2. Cavitated Caries Lesions
 - 4.1.6. Epidemiology of Dental Caries
 - 4.1.6.1. Caries in Primary Dentition
 - 4.1.6.2. Caries in Mixed Dentition
 - 4.1.6.3. Caries in Young Permanent Dentition
- 4.2. Diagnosis of Dental Caries
 - 4.2.1. Detecting and Monitoring Caries Lesions
 - 4.2.1.1. Methods That Do Not Require Technological Support: Visual Method and Tactile Method
 - 4.2.1.2. Methods that Require Technological Support: Radiological Methods, Methods Based on Visible Light, Methods Based on Laser Light, Methods Based on Ultrasound and Methods Based on Electric Current
 - 4.2.1.3. Injury Activity Assessment: ICDAS System
 - 4.2.1.4. Establishing the Patient's Risk of Caries

- 4.3. Early Childhood Caries: Caries de la Primera Infancia, in Spanish (ECC)
 - 4.3.1. Feeding Up to 6 Months of Age
 - 4.3.1.1. Exclusive Breastfeeding on Demand: Its Influence on Craniofacial Development. Benefits
 - 4.3.1.2. Bottle Feeding: Indications and Consequences of its Use
 - 4.3.2. The Process of Eruption: Timeline
 - 4.3.3. The Tasks of Temporal Dentition
 - 4.3.4. Feeding After the Eruption of the First Tooth: Ablactation
 - 4.3.5. Feeding After the Eruption of the Second Temporal Molar
 - 4.3.6. Prolonged Breastfeeding: Concept and Risks
 - 4.3.7. Early Childhood Caries
 - 4.3.7.1. Concept
 - 4.3.7.2. Types
 - 4.3.7.3. Transmissibility Habits and Infectivity Window
 - 4.3.7.4 Characteristics: Rapid Progression: Reasons
 - 4.3.7.5. Consequences
- 4.4. Therapeutic Remineralization in Incipient Caries Lesions
 - 4.4.1. Objectives and Requirements of Therapeutic Remineralization
 - 4.4.2. Remineralization Products and Systems
 - 4.4.2.1. Fluoride: Mechanisms of Action for Remineralization
 - 4.4.2.2. Casein Phosphopeptide-Amorphous Calcium Phosphate Phosphopeptide Complexes (CPP-ACP): Nature, Mechanisms of Action, Presentations and Mode of Use
 - 4.4.2.3. New Materials in Remineralization. Materials Derived From Nanotechnology: Nano-Hydroxyapatite and Nano-Carbonateapatite. Bioactive Crystals Based on Amorphous Sodium Phosphosilicate and Calcium Phosphates
 - 4.4.2.4. Alternative Products to Favour Remineralization
- 4.5. Treatment of Cavitated Caries Lesions. Principles
 - 4.5.1. Objectives of Dental Surgery in Children
 - 4.5.2. Factors That Modify Dental Surgery in Children
 - 4.5.2.1. Behaviour
 - 4.5.2.2. Dentition Development
 - 4.5.2.3. Extent and Depth of Cavitated Caries Lesions
 - 4.5.2.4. Systemic Status of the Patient
 - 4.5.2.5. Morphological Characteristics of Temporary Teeth
- 4.5.3. Principles of Minimally Invasive Dentistry
 - 4.5.3.1. Removal of the Least Amount of Tooth Tissue Necessary
 - 4.5.3.2. Preservation of Pulp Vitality
 - 4.5.3.3. Using Bioactive Materials
- 4.5.4. Absolute Isolation
 - 4.5.4.1. Objectives
 - 4.5.4.2. Materials and Their Adaptation to Children: Dike, Clamps and Young's Arc
 - 4.5.4.3. Placement Techniques by Age: Pre-schoolers, Schoolchildren and Adolescents
- 4.6. Pit and Fissure Sealants (PFS). Preventive Resin Restorations (PRR)
 - 4.6.1. Introduction. Historical Background of Fissure Sealants
 - 4.6.1.1. Types of Fissures
 - 4.6.1.2. Cariostatic Properties
 - 4.6.1.3. Types of Sealants
 - 4.6.1.4. Patient Selection: Indications and Contraindications
 - 4.6.1.5. Placement Technique
 - 4.6.1.6. How to Prevent Fissure Sealants From Fracturing and Falling Off
 - 4.6.2. Preventive Resin Restorations (PRR)
 - 4.6.2.1. Concept
 - 4.6.2.2. Types
 - 4.6.2.3. Placement Technique
- 4.7. Atraumatic Restorative Treatment (ART). Temporary Therapeutic Restorations (TTR)
 - 4.7.1. Introduction. Concept
 - 4.7.2. Principles of ART and its Evolution to TTR
- 4.8. Treatment of Cavitated Caries Lesions. Materials
 - 4.8.1. Pulp Protection Materials
 - 4.8.1.1. Calcium Hydroxide: Mechanism of Action. Indications. Advantages and Disadvantages
 - 4.8.2. Glass Ionomer: Self-Curing and Light Curing
 - 4.8.2.1. New Bioactive Materials

- 4.8.3. Materials for Dental Restoration
 - 4.8.3.1. Restorative Glass Ionomer: Characteristics, Indications, Contraindications, Advantages, Disadvantages and Mode of Use
 - 4.8.3.2. Composite Resins or Composites. Concept and Types
 - 4.8.3.3. Principles of Use
 - 4.8.3.4. Preparation of the Remaining Tooth Structure for the Use of Composites: Dentin Adhesives: Types Available Today and Selection Criteria
- 4.9. Treatment of Large Cavitated Caries Lesions in Pediatric Dentistry
 - 4.9.1. Complex Lesions in Temporary and Permanent Teeth
 - 4.9.1.1. Characteristics and Consequences
 - 4.9.1.2. Treatment Options in Temporary and Permanent Dentition
 - 4.9.2. Treatment of Molars: Preformed Crowns
 - 4.9.2.1. Indications. Advantages and Disadvantages
 - 4.9.2.2. Types: Metallic Preformed Crowns. Pediatric Aesthetic Crowns
 - 4.9.2.3. Technique of Preparation, Adaptation and Cementation of Metal Crowns. Defective Crowns and Complications
 - 4.9.2.4. Technique of Preparation and Cementation of Aesthetic Pediatric Crowns
 - 4.9.2.5. Defective Crowns and Complications
 - 4.9.3. Treatment of Anterior Teeth
 - 4.9.3.1. Preformed Acetate Crowns. Indications and Contraindications. Procedure. Complications
 - 4.9.3.2. Aesthetic Pediatric Crowns. Aesthetic Pediatric Crown Preparation and Cementation Technique
 - 4.9.3.3. Defective Crowns and Complications
 - 4.9.4. Treatment of Anterior Teeth
 - 4.9.4.1. Preformed Acetate Crowns
 - 4.9.4.2. Indications and Contraindications
 - 4.9.4.3. Procedure
 - 4.9.4.4. Complications





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Update your knowledge on dental pathology in pediatric patients in an easier way thanks to the relearning system used in TECH”

05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





“

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

In a given situation, what should a professional do? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the dentist's professional practice.

“

Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”

The effectiveness of the method is justified by four fundamental achievements:

1. Dentists who follow this method not only grasp concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

The student will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have trained more than 115,000 dentists with unprecedented success, in all specialties regardless of the workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Educational Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances, and to the forefront of medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



06

Certificate

The Postgraduate Diploma in Comprehensive Dental Pathology and Therapeutics in Pediatric Patients guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Diploma issued by TECH Technological University.



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*Successfully complete this program
and receive your university degree
without travel or laborious paperwork”*

This **Postgraduate Diploma in Comprehensive Dental Pathology and Therapeutics in Pediatric Patients** contains the most complete and updated scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Comprehensive Dental Pathology and Therapeutics in Pediatric Patients**

Official N° of hours: **500 h.**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

future
health confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present
development languages
virtual classroom



Postgraduate Diploma
Comprehensive Dental
Pathology and Therapeutics
in Pediatric Patients

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Postgraduate Diploma

Comprehensive Dental Pathology
and Therapeutics in Pediatric Patients